Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	07/13/2022 08:46 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	06/07/2022 10:19 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	10398	Expiration Date:	01/31/2023
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	124323	-1	1.52	124185	1.51
Blue	F	SSC	125000	124766	-1	3.02	125266	2.90
Blue	E	FITC	15860	15276	-4	2.33	373	14.37
Blue	D	PE	27718	27207	-2	1.78	634	10.83
Blue	B	PerCP-Cy5-5	38046	36924	-3	3.03	1009	15.32
Blue	A	PE-Cy7	26092	25889	-1	5.06	508	31.26
Red	C	APC	49104	48477	-2	2.66	1710	11.35
Red	A	APC-Cy7	28201	27356	-3	3.17	721	12.31
Violet	B	V450	9904	9396	-6	3.50	525	11.92
Violet	A	V500	39004	37664	-4	3.16	985	8.84

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	23900	2.05	573	4	N/A	N/A	Pass
Blue	F	SSC	55752	1.63	525	-3	N/A	N/A	Pass
Blue	E	FITC	57	55.60	494	3	0.0402	63	Pass
Blue	D	PE	124	39.65	500	4	0.3648	303	Pass
Blue	B	PerCP-Cy5-5	138	44.79	592	3	0.0183	42	Pass
Blue	A	PE-Cy7	65	95.55	636	4	0.0208	4	Pass
Red	C	APC	330	26.91	578	-3	0.0286	205	Pass
Red	A	APC-Cy7	96	43.16	550	-5	0.0063	1288	Pass
Violet	B	V450	85	51.80	464	6	0.0549	2429	Pass
Violet	A	V500	123	35.83	476	7	0.0267	2006	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.64 - 71.46	N/A	N/A	-31.79	-31.44	1.03
Blue	20.36	16.28 - 24.42	1.30	1.03 - 1.55	0.00	0.00	1.45
Red	15.72	13.90 - 20.86	N/A	N/A	29.79	30.06	1.22

Window Extension: 7.00
FSC Area Scaling Factor: 0.75

Threshold

Threshold (FSC): 10718

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.70
Spec.: 3.80 - 4.00

Comments